



BEST AVAILABLE COPY

OIPE

RAW SEQUENCE LISTING

DATE: 04/30/2003

PATENT APPLICATION: US/09/877,748C

TIME: 14:31:36

Input Set : A:\CDS 232 July 31 2002.txt

Output Set: N:\CRF4\04302003\I877748C.raw

3 <110> APPLICANT: Sutherland, John W
 5 <120> TITLE OF INVENTION: Detecting Nucleic Acid Detection Sequences
 7 <130> FILE REFERENCE: CDS-232
 9 <140> CURRENT APPLICATION NUMBER: 09/877,748C
 10 <141> CURRENT FILING DATE: 2001-06-11
 12 <160> NUMBER OF SEQ ID NOS: 26
 14 <170> SOFTWARE: PatentIn version 3.1
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 107
 18 <212> TYPE: DNA
 19 <213> ORGANISM: Human
 21 <400> SEQUENCE: 1
 22 cacagacatc ataacaaaaa atttccacca aacccccctt cccccgttc tggccacagc 60
 24 acttaaacac atctctgcc aacccccaaa acaagaacc ctaacac 107
 27 <210> SEQ ID NO: 2
 28 <211> LENGTH: 24
 29 <212> TYPE: DNA
 30 <213> ORGANISM: Artificial Sequence
 32 <220> FEATURE:
 33 <223> OTHER INFORMATION: Primer sequence
 35 <220> FEATURE:
 36 <221> NAME/KEY: misc_feature
 37 <223> OTHER INFORMATION: Primer sequence
 40 <400> SEQUENCE: 2
 41 cacagacatc ataacaaaaa attt 24
 44 <210> SEQ ID NO: 3
 45 <211> LENGTH: 25
 46 <212> TYPE: DNA
 47 <213> ORGANISM: Artificial Sequence
 49 <220> FEATURE:
 50 <223> OTHER INFORMATION: Primer sequence
 52 <220> FEATURE:
 53 <221> NAME/KEY: misc_feature
 54 <223> OTHER INFORMATION: Primer Sequence
 57 <400> SEQUENCE: 3
 58 gtgttaggg tctttgtttt tgggg 25
 61 <210> SEQ ID NO: 4
 62 <211> LENGTH: 34
 63 <212> TYPE: DNA
 64 <213> ORGANISM: Artificial Sequence
 66 <220> FEATURE:
 67 <223> OTHER INFORMATION: Probe sequence
 69 <220> FEATURE:

ENTERED

RAW SEQUENCE LISTING

DATE: 04/30/2003

PATENT APPLICATION: US/09/877,748C

TIME: 14:31:36

Input Set : A:\CDS 232 July 31 2002.txt

Output Set: N:\CRF4\04302003\I877748C.raw

```

70 <221> NAME/KEY: misc_feature
71 <223> OTHER INFORMATION: Probe sequence
74 <400> SEQUENCE: 4
75 gcgagctctg gccacagcac ttaaaccgcg tcgc 34
78 <210> SEQ ID NO: 5
79 <211> LENGTH: 330
80 <212> TYPE: DNA
81 <213> ORGANISM: Human
83 <400> SEQUENCE: 5
84 agaaccaaca cctctttaca gtgaaatgcc ccaactaat actaccgtat ggcccacccat 60
86 aattaccccc atactcctta cactattcct catcacccaa ctaaaaatat taaacacaaa 120
88 ctaccaccta cctccctcac caaagcccat aaaaataaaa aattataaca aaccctgaga 180
90 accaaaaatga acgaaaatct gttcgcttca ttcatgccc ccacaatcct aggcctaccc 240
92 gccgcagtac tgatcattct atttccccct ctattgatcc ccacctccaa atatctcatc 300
94 aacaaccgac taatcaccac ccaacaatga 330
97 <210> SEQ ID NO: 6
98 <211> LENGTH: 27
99 <212> TYPE: DNA
100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Primer sequence
105 <220> FEATURE:
106 <221> NAME/KEY: misc_feature
107 <223> OTHER INFORMATION: Primer sequence
110 <400> SEQUENCE: 6
111 accaacacct ctttacagtg aaatgcc 27
114 <210> SEQ ID NO: 7
115 <211> LENGTH: 21
116 <212> TYPE: DNA
117 <213> ORGANISM: Artificial Sequence
119 <220> FEATURE:
120 <223> OTHER INFORMATION: Primer sequence
122 <220> FEATURE:
123 <221> NAME/KEY: misc_feature
124 <223> OTHER INFORMATION: Primer sequence
127 <400> SEQUENCE: 7
128 tcattgttg gtggtgatta g 21
131 <210> SEQ ID NO: 8
132 <211> LENGTH: 35
133 <212> TYPE: DNA
134 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: Probe sequence
139 <220> FEATURE:
140 <221> NAME/KEY: misc_feature
141 <223> OTHER INFORMATION: Probe sequence
144 <400> SEQUENCE: 8
145 ccgtcgctc cctcaccaaa gcccataaac gacgg 35
148 <210> SEQ ID NO: 9

```

RAW SEQUENCE LISTING

DATE: 04/30/2003

PATENT APPLICATION: US/09/877,748C

TIME: 14:31:36

Input Set : A:\CDS 232 July 31 2002.txt

Output Set: N:\CRF4\04302003\I877748C.raw

```

149 <211> LENGTH: 28
150 <212> TYPE: DNA
151 <213> ORGANISM: Artificial Sequence
153 <220> FEATURE:
154 <223> OTHER INFORMATION: Primer sequence
156 <220> FEATURE:
157 <221> NAME/KEY: misc_feature
158 <223> OTHER INFORMATION: Primer sequence
161 <400> SEQUENCE: 9
162 tgtatgatat gtttgcggtt tcgatgat 28
165 <210> SEQ ID NO: 10
166 <211> LENGTH: 20
167 <212> TYPE: DNA
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: Primer sequence
173 <220> FEATURE:
174 <221> NAME/KEY: misc_feature
175 <223> OTHER INFORMATION: Primer sequence
178 <400> SEQUENCE: 10
179 gccccaaacta aatactaccg 20
182 <210> SEQ ID NO: 11
183 <211> LENGTH: 26
184 <212> TYPE: DNA
185 <213> ORGANISM: Artificial Sequence
187 <220> FEATURE:
188 <223> OTHER INFORMATION: Primer sequence
190 <220> FEATURE:
191 <221> NAME/KEY: misc_feature
192 <223> OTHER INFORMATION: Primer sequence
195 <400> SEQUENCE: 11
196 gatgtggtct ttggagtaga aacctg 26
199 <210> SEQ ID NO: 12
200 <211> LENGTH: 46
201 <212> TYPE: DNA
202 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:
205 <223> OTHER INFORMATION: Probe sequence
207 <220> FEATURE:
208 <221> NAME/KEY: misc_feature
209 <223> OTHER INFORMATION: Probe sequence
212 <400> SEQUENCE: 12
213 ccgctcgaaa ggtattcctg ctaatgctag gctgccaatc gagcgg 46
216 <210> SEQ ID NO: 13
217 <211> LENGTH: 181
218 <212> TYPE: DNA
219 <213> ORGANISM: Human
221 <400> SEQUENCE: 13
222 ggggaagcag atttgggtac caccgaagta ttgactcacc catcaacaac cgctatgtat 60

```

RAW SEQUENCE LISTING

DATE: 04/30/2003

PATENT APPLICATION: US/09/877,748C

TIME: 14:31:36

Input Set : A:\CDS 232 July 31 2002.txt

Output Set: N:\CRF4\04302003\I877748C.raw

```

224 ttcgtagcatt actgccagcc accatgaata ttgtacggta ccataaatac ttgaccacct      120
226 gtagtagcata aaaacccaat ccacatcaaa accccctccc catgcttaca agcaagtaca      180
228 g                                                                           181
231 <210> SEQ ID NO: 14
232 <211> LENGTH: 22
233 <212> TYPE: DNA
234 <213> ORGANISM: Artificial Sequence
236 <220> FEATURE:
237 <223> OTHER INFORMATION: Primer sequence
239 <220> FEATURE:
240 <221> NAME/KEY: misc_feature
241 <223> OTHER INFORMATION: Primer sequence
244 <400> SEQUENCE: 14
245 ggggaagcag atttggtac ca                                           22
248 <210> SEQ ID NO: 15
249 <211> LENGTH: 20
250 <212> TYPE: DNA
251 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
254 <223> OTHER INFORMATION: Primer sequence
256 <220> FEATURE:
257 <221> NAME/KEY: misc_feature
258 <223> OTHER INFORMATION: Primer sequence
261 <400> SEQUENCE: 15
262 ctgtacttgc ttgtaagcat                                           20
265 <210> SEQ ID NO: 16
266 <211> LENGTH: 36
267 <212> TYPE: DNA
268 <213> ORGANISM: Artificial Sequence
270 <220> FEATURE:
271 <223> OTHER INFORMATION: Probe sequence
273 <220> FEATURE:
274 <221> NAME/KEY: misc_feature
275 <223> OTHER INFORMATION: Probe sequence
278 <400> SEQUENCE: 16
279 gcgtcggact caccatcaa caaccgctat cgacgc                           36
282 <210> SEQ ID NO: 17
283 <211> LENGTH: 198
284 <212> TYPE: DNA
285 <213> ORGANISM: Human
287 <400> SEQUENCE: 17
288 gccgcagtag tgatcattct atttcccct ctattgatcc ccacctcaa atatctcatc      60
290 aacaaccggc tatgtatttc gtacattact gccagccacc atgaatattg tacggtacca      120
292 taaatacttg accacctgta gtacataaaa acccaatcca catcaaaacc ccctcccat      180
294 gcttacaagc aagtacag                                           198
297 <210> SEQ ID NO: 18
298 <211> LENGTH: 36
299 <212> TYPE: DNA
300 <213> ORGANISM: Artificial Sequence

```

RAW SEQUENCE LISTING

DATE: 04/30/2003

PATENT APPLICATION: US/09/877,748C

TIME: 14:31:36

Input Set : A:\CDS 232 July 31 2002.txt

Output Set: N:\CRF4\04302003\I877748C.raw

```

302 <220> FEATURE:
303 <223> OTHER INFORMATION: Probe sequence
305 <220> FEATURE:
306 <221> NAME/KEY: misc_feature
307 <223> OTHER INFORMATION: Probe sequence
310 <400> SEQUENCE: 18
311 gcgtcgctgc cagccacccat gaatattgta cgacgc 36
314 <210> SEQ ID NO: 19
315 <211> LENGTH: 33
316 <212> TYPE: DNA
317 <213> ORGANISM: Artificial Sequence
319 <220> FEATURE:
320 <223> OTHER INFORMATION: Primer sequence
322 <220> FEATURE:
323 <221> NAME/KEY: misc_feature
324 <223> OTHER INFORMATION: Primer sequence
327 <400> SEQUENCE: 19
328 gccgcagttac tgatcattct atttccccct cta 33
331 <210> SEQ ID NO: 20
332 <211> LENGTH: 47
333 <212> TYPE: DNA
334 <213> ORGANISM: Artificial Sequence
336 <220> FEATURE:
337 <223> OTHER INFORMATION: Probe sequence
339 <220> FEATURE:
340 <221> NAME/KEY: misc_feature
341 <223> OTHER INFORMATION: Probe sequence
344 <400> SEQUENCE: 20
345 ccgctcggcc gcagtactga tcattctatt tccccctcta cgagcgg 47
348 <210> SEQ ID NO: 21
349 <211> LENGTH: 30
350 <212> TYPE: DNA
351 <213> ORGANISM: Artificial Sequence
353 <220> FEATURE:
354 <223> OTHER INFORMATION: Primer sequence
356 <220> FEATURE:
357 <221> NAME/KEY: misc_feature
358 <223> OTHER INFORMATION: Primer sequence
361 <400> SEQUENCE: 21
362 tactcaaaac catacctctc acttcaacct 30
365 <210> SEQ ID NO: 22
366 <211> LENGTH: 30
367 <212> TYPE: DNA
368 <213> ORGANISM: Artificial Sequence
370 <220> FEATURE:
371 <223> OTHER INFORMATION: Primer sequence
373 <220> FEATURE:
374 <221> NAME/KEY: misc_feature
375 <223> OTHER INFORMATION: Primer sequence

```

VERIFICATION SUMMARY

DATE: 04/30/2003

PATENT APPLICATION: US/09/877,748C

TIME: 14:31:37

Input Set : A:\CDS 232 July 31 2002.txt

Output Set: N:\CRF4\04302003\I877748C.raw